

Texas Chapter of the American Fisheries Society

Embassy Suites Outdoor World, Grapevine Texas

Annual Meeting Program

January 21-23, 2005



January 21, Friday

- 12:00 – 5:00 PM **Registration, Exhibitors/Poster Set-up.** Location: First Floor - Pheasant Ridge Grand Ballroom – Lobby/Hall Area
- 1:00 – 3:00 PM **Presentation Graphics Workshop.** Gene Wilde and Bart Durham. Texas Tech University. Location: First Floor - Pheasant Ridge Grand Ballroom (II)
- 3:00 – 5:00 PM **Student Workshop on Professionalism.** Larry Hysmith. Texas A&M University. Location: First Floor - Pheasant Ridge Grand Ballroom (II)
- 5:30 – 7:30 PM **Professional/Student Mixer.** Location: Embassy Suites Outdoor World Atrium

January 22, Saturday

(Embassy Suites Hotel – First Floor – Pheasant Ridge Grand Ball Room (I))

Opening Remarks

- 8:00 AM **Welcome to Grapevine:** Michael D. Kemp, Director, Grapevine Convention and Visitors Bureau and Dave Terre, President-Elect, Texas Chapter of the American Fisheries Society

Contributed Paper Session (*S denotes student presenter*)

- 8:15 AM **Trends in Atlantic croaker populations using coastal fisheries monitoring data.** Leslie Williams and Glen Sutton (Texas Parks and Wildlife Department)
- 8:30 AM **Effect of hook removal on recapture rates of angler-caught Australian fishes.** Gene R. Wilde (Texas Tech University) and William Sawynok (Infotish Services)
- 8:45 AM **Effects of flooding on fish habitat selection in a west Texas stream.** Jackie Watson (S) and Timothy H. Bonner (Texas State University-San Marcos)
- 9:00 AM **Status of the blue crab *Callinectes sapidus* in Texas coastal waters with research recommendations.** Glen Sutton and Tom Wagner (Texas Parks and Wildlife Department)

- 9:15 AM **Origins of red drum stocks: assessing the contribution of different nursery grounds using chemical signatures.** Gregory W. Stunz (Texas A&M University-Corpus Christi), Jay Rooker (Texas A&M University-Galveston), Joan Holt, and Scott Holt (University of Texas-Austin)
- 9:30 AM **The identification of nursery habitat for juvenile southern flounder *Paralichthys lethostigma* in Aransas Bay, Texas.** Suraida Nañez-James (S), Gregory W. Stunz (Texas A&M University-Corpus Christi), Scott Holt (University of Texas-Austin), and Jay Rooker (Texas A&M University-Galveston)
- 9:45 AM **Increases in voluntary release rate of largemouth bass of legally-harvestable size from Texas creel surveys over 1985-1999.** John Barry Taylor and Randall A. Myers (Texas Parks and Wildlife Department)
- 10:00 - 10:30 BREAK - Sponsored by the Grapevine Convention and Visitors Bureau**
- 10:30 AM **Comparison of guided and unguided fishing trips from two Texas reservoirs.** John H. Moczygemba, Bruce T. Hysmith, and J. Warren Schlechte (Texas Parks and Wildlife Department)
- 10:45 AM **Can invasiveness of native species be predicted by life history traits?** Brad Littrell (S) and Timothy H. Bonner (Texas State University-San Marcos)
- 11:00 AM **Catch-and-release mortality of spotted seatrout *Cynoscion nebulosus*.** Jason T. James (S), Gregory W. Stunz, and David A. McKee (Texas A&M University-Corpus Christi)
- 11:15 AM **Morphology, meristic counts, and pigmentation of *Dionda diaboli* (Cyprinidae) during development.** Julie Hulbert (S), Timothy H. Bonner, David Pendagrass (Texas State University-San Marcos), and Joe Fries (National Fish Hatchery and Technology Center-San Marcos)
- 11:30 AM **Fish population changes in the lower canyons of the Rio Grande: 1977-2003.** Robert J. Edwards (University of Texas-Pan America) and Gary P. Garrett (Texas Parks and Wildlife Department)
- 11:45 AM **The International Grand Isle Tarpon Rodeo: trends in the recreational tarpon *Megalops atlanticus* fishery in the western Gulf of Mexico.** William Dailey (S), André M. Landry, Jr. (Texas A&M University-Galveston), and Steve Hein (Louisiana Department of Wildlife and Fisheries)
- 12:00 – 2:00 LUNCH AND POSTER SESSION w/ authors in attendance (see posters on page 4)**

- 2:00 PM **The upper and lower thermal tolerances of wildtype and transgenic zebra danios**
Danio rerio. Cheryl Cortemeglia (S), and Thomas L. Beitinger (University of North Texas)
- 2:15 PM **Texas Fish Recovery Plan goals and the Lake Livingston example**, Greg Conley and
Joan Glass (Texas Parks and Wildlife Department)
- 2:30 PM **Fish communities in urban settings: multiple hypotheses testing of fish incidence**
patterns. Christopher J. Chizinski (S), Christopher L. Higgins, and Kevin L. Pope (Texas
Tech University)
- 2:45 PM **Economic characteristics, attitudes, and management preferences among Lake**
Amistad anglers 2002 – 2003. Timothy Bradle (Texas Parks and Wildlife Department)
- 3:00 – 3:30** **BREAK – Sponsored by meeting exhibitors (see program supplement for a complete**
list of exhibitors)
- 3:30 PM **Improving angling opportunities in public ponds through intra-agency collaboration.**
C. Craig Bonds and Stephan J. Magnelia (Texas Parks and Wildlife Department)
- 3:45 PM **Bioaccumulation of mercury in fish from two Texas lakes**. William C. McClain (S; Texas
Christian University), Matthew M. Chumchal (University of Oklahoma), Ray W. Drenner, and
L. Newland (Texas Christian University)
- 4:00 PM **Do fish advisories accurately convey risk?: effect of small sample size and species**
specific advisories. Matthew M. Chumchal (S), K. David Hambright (University of
Oklahoma), William C. McClain, Ray W. Drenner, and David Cross (Texas Christian
University)
- 4:15 PM **Texas Harmful Algal Bloom (HAB) Workgroup**. Meridith Byrd (Texas Parks and Wildlife
Department)

Texas Chapter AFS Awards Program

- 4:30 – 5:00 **Chapter Award Presentations**, Dave Peterson/Dave Terre
Student Scholarship Award Presentations, Perry Trail
Clark Hubbs Student Research Award Initiative, Ray Mathews

Evening Social Activities

- 5:30 – 7:30 **Happy Hour/Reception**. Location: Embassy Suites Outdoor World Atrium
- 7:30 - late **Banquet and Auction**. Location: Pheasant Ridge Grand Ball Room

January 23, Sunday

- 7:00 AM **Past Presidents Breakfast:** Embassy Suites Outdoor World Atrium
- 8:00 – 11:30 **Bass Management In Texas Symposium – Sponsored by Bass Pro Shops, TXU Power, Mercury Marine, and Big Buck Brewery and Steakhouse.** Embassy Suites Hotel, First Floor, Pheasant Ridge Grand Ball Room I (see symposium program on page-5 for details)
- 11:30 – 12:00 **TCAFS Business Meeting**
- 12:00 – 1:00 **Media/Bass Management Symposium Speaker Luncheon – Sponsored by Big Buck Brewery and Steakhouse.**

POSTER PRESENTATIONS: Saturday (8:00 AM to 5:00 PM) and Sunday (8:00 AM to 12:00 PM)

(Embassy Suites Hotel – First Floor - Pheasant Ridge Grand Ballroom, Lobby Area)

1. **Effects of acclimation time and season on post-stocking mortality of red drum in freshwater.** Michael S. Baird (Texas Parks and Wildlife)
2. **Projected U.S. distribution of wildtype and transgenic zebra danios *Danio rerio* based on temperature tolerance data.** Cheryl Cortemeglia and Thomas L. Beiting (University of North Texas)
3. **Application of population dynamics models to the conservation of imperiled stream fishes.** Bart W. Durham and Gene R. Wilde (Texas Tech University)
4. **An assessment of diet overlap for the inland silverside.** Maricruz Longoria, Caleb G. Huber, Christopher J. Chizinski, and Kevin L. Pope (Texas Tech University)
5. **The Rocky Barra Bounty: a research-driven fishing competition.** William Sawynok (Infofish Services) and Gene R. Wilde (Texas Tech University)
6. **Effect of angler recaptures on growth of Gold Spot Estuary cod *Epinephelus coiodes* in Australia.** Gene R. Wilde (Texas Tech University) and William Sawynok (Infofish Services)
7. **An individual-based model for alligator gar: why failing to consider intersexual differences in growth and mortality rates leads to overfishing.** Gene R. Wilde, Kevin L. Pope (Texas Tech University), and Allyse Ferrara (Nicholls State University)
8. **Comparison of maximum size of fish caught with recreational angling and standard fish-collection gears.** Kevin L. Pope, Gene R. Wilde (Texas Tech University), and Daryl L. Bauer (Nebraska Game and Parks Commission)
9. **Fish biomarkers of exposure to thyroid disrupting contaminants in aquatic environments.** Sanddeep Mukhi and Reynaldo Patiño (Texas Tech University)

Special Symposium: Bass Management in Texas

Sponsors: Bass Pro Shops, TXU Power, Mercury Marine, Big Buck Brewery and Steakhouse



- 8:00 AM **Introduction: symposium purpose and scope.** Dave Terre, President-Elect, Texas Chapter of the American Fisheries Society
- 8:10 AM **Working together to improve bass management in Texas.** Tim Cook, Conservation Director, Texas B.A.S.S Federation.
- 8:25 AM **Operation World Record: a cooperative trophy largemouth bass program.** Allen Forshage, Dijar J. Lutz-Carrillo, and Loraine T. Fries (Texas Parks and Wildlife Department)
- 8:45 AM **Factors related to angler catch of trophy largemouth bass in Texas reservoirs.** Randall A. Myers (Texas Parks and Wildlife Department) and Michael S. Allen (University of Florida)
- 9:00 AM **Bass 101 Symposium.** Billy Higginbotham, Professor and Extension Wildlife and Fisheries Specialist, Texas Cooperative Extension (Texas A&M University)
- 9:15 – 9:45 BREAK – Sponsored by TXU Power**
- 9:45 AM **Evaluation of a largemouth bass tournament monitoring program at Sam Rayburn Reservoir.** M. Todd Driscoll (Texas Parks and Wildlife Department)
- 10:00 AM **The Lake Fork trophy bass survey.** Kevin Storey (Texas Parks and Wildlife Department)
- 10:15 AM **Use of an angler incentive program for data collection and management of a trophy bass fishery.** Michael J. Ryan, Michael W. Brice, and Loraine Fries (Texas Parks and Wildlife Department)
- 10:30 AM **Twenty-four years of restrictive largemouth bass length limit regulations on a power cooling reservoir in central Texas.** Stephan J. Magnelia and C. Craig Bonds (Texas Parks and Wildlife Department)
- 10:45 AM **Annual exploitation of largemouth bass at Sam Rayburn Reservoir: incorporating the tournament-related mortality component.** M. Todd Driscoll, Jules L. Smith, and Randall A. Myers (Texas Parks and Wildlife Department)
- 11:00 – 11:30 **Questions/Discussion/Closing Remarks** (if time permits)

2005 MEETING EXHIBITORS

Please view/visit these exhibits on Saturday (8:00 AM to 5:00 PM) and Sunday (8:00 AM to 12:00 PM)

(Embassy Suites Hotel – First Floor - Hallway adjacent to the Pheasant Hill Grand Ballroom)



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